

Inventor
Search

5/5/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
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013789468 **Image available**
WPI Acc No: 2001-273679/200128
XRAM Acc No: C01-083043
XRPX Acc No: N01-195486

Entertaining, stress-relief disc has center with stable convex - concave
shape flipped by manipulation to concave - convex shape

Patent Assignee: LYMAN D F (LYMA-I)

Inventor: LYMAN D F

Number of Countries: 094 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 200126766	A1	20010419	WO 2000US28184	A	20001012	200128 B
AU 200110811	A	20010423	AU 200110811	A	20001012	200147
US 20010018310	A1	20010830	US 99417428	A	19991013	200151

Priority Applications (No Type Date): US 99417428 A 19991013

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
WO 200126766	A1	E	15 A63H-027/00	

Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA
CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP
KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT
RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR
IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW

AU 200110811	A	A63H-027/00	Based on patent WO 200126766
US 20010018310	A1	A63H-005/00	

Abstract (Basic): WO 200126766 A1

NOVELTY - The center portion has a stable concave/convex shape which can be inverted (or flipped) by manipulation, to a second convex/concave shape.

DETAILED DESCRIPTION - Preferred features: The disc-shaped device has a diameter d of 0.75-6 inches. The periphery includes a lip (1) with width w, where the ratio w/d is less than 1/4, and preferably in the range 1/30 to 1/5. Cross sectional thickness t is substantially uniform over the center portion. The ratio of t to d is less than 1/10, and preferably lies in the range 1/80-1/20. Thickness of the center portion tapers, thickness t1 near the periphery is greater than thickness tc near the center. A domed peak is formed in the center portion with peak height hp relative to a plane containing the peripheral portion. The ratio of hp to d is no greater than about 1/3. Surface(s) are textured by ridges and/or dimples. At least one surface comprises an illustration. A scent is included, which is emitted on manipulation. A color-change composition included, responds to temperature change or other environmental conditions.

USE - For entertainment and stress relief.

ADVANTAGE - In addition to its inherent entertainment and stress relief properties, the device can be manufactured for color change and/or to produce sound on manipulation. Different stiffness, size, texture, color, surface images and scent can be incorporated, enabling selection based on personal preference.

DESCRIPTION OF DRAWING(S) - A cross section of the disc is presented.

lip (1)

upper surface (3)

lower surface (4)
single peak (5)
pp; 15 DwgNo 3/4
Title Terms: ENTERTAINMENT; STRESS; RELIEF; DISC; STABILISED; CONVEX;
CONCAVE; SHAPE; FLIP; MANIPULATE; CONCAVE; CONVEX; SHAPE
Derwent Class: A86; P36
International Patent Class (Main): A63H-005/00; A63H-027/00
File Segment: CPI; EngPI

5/5/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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01290898

ENTERTAINMENT AND STRESS RELIEF DISK
DISQUE DESTINE A LA DETENTE ET AU DIVERTISSEMENT
PATENT ASSIGNEE:

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(US), (Applicant designated States: all)

INVENTOR:

Lyman, Daniel F. , 415 North River Road, Manchester, NH 03104, (US
PATENT (CC, No, Kind, Date):

WO 2001026766 010419
APPLICATION (CC, No, Date): EP 2000972098 001012; WO 2000US28184 001012
PRIORITY (CC, No, Date): US 417428 991013
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;
LU; MC; NL
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS: A63H-027/00
CITED PATENTS (WO A): US 3247521 A ; US 1215311 A ; US 2153957 A ; US
5334079 A

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010613 A1 International application. (Art. 158(1))
Application: 010613 A1 International application entering European
phase
Application: 021127 A1 International application. (Art. 158(1))
Appl Changed: 021127 A1 International application not entering European
phase
Withdrawal: 021127 A1 Date application deemed withdrawn: 20020514
LANGUAGE (Publication,Procedural,Application): English; English; English

Set	Items	Description
S1	4	E3,E7
S2	4	AU='LYMAN DANIEL':AU='LYMAN DANIEL F'
S3	8	S1:S2
S4	8	IDPAT (sorted in duplicate/non-duplicate order)
S5	5	IDPAT (primary/non-duplicate records only)

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File 347:JAPIO Oct 1976-2002/Dec(Updated 030402)

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File 348:EUROPEAN PATENTS 1978-2003/Apr W01

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File 349:PCT FULLTEXT 1979-2002/UB=20030417,UT=20030410

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File 350:Derwent WPIX 1963-2003/UD,UM &UP=200325

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File 371:French Patents 1961-2002/BOPI 200209

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